



University of East

MASTER OF SCIENCE IN DENTISTRY (*PROSTHODONTICS*)

| Subject Code | Subject Title | Units | Hours per week | | |
|---------------------------------------|--|-----------|----------------|----------|-----------|
| | | | Lec. | Lab. | Cl. |
| FIRST YEAR | | | | | |
| <u>1st Semester</u> | | | | | |
| DENT 511 | Advanced Oral Biology | 2 | 2 | | |
| DENT 513 | Craniofacial Genetics, Growth and Development | 2 | 2 | | |
| DENT 514 | Dento-Craniofacial Radiology | 2 | 1 | 3 | |
| PROS 574 | Biomaterial & Biomechanics | 2 | 2 | | |
| PROS 551 | Prosthodontic Seminar | 1 | 1 | | 3 |
| PROS 561 | Geriatrics & Gerodontology | 2 | 2 | | |
| TOTAL | | 11 | 8 | 3 | 3 |
| <u>2nd Semester</u> | | | | | |
| DENT 531 | Interdisciplinary Diagnosis and Treatment Plan | 2 | 2 | | |
| DENT 591 | Biostatistics | 2 | 1 | 3 | |
| DENT 592 | Research Methods & Design | 2 | 2 | | |
| DENT 515 | Physiological Chemistry | 2 | 2 | | |
| PROS 571D | Prosthodontic Clinic (FPD) | 4 | | | 12 |
| TOTAL | | 12 | 7 | 3 | 12 |
| SECOND YEAR | | | | | |
| <u>1st Semester</u> | | | | | |
| DENT 512 | Cell and Molecular Biology | 2 | 2 | | |
| DENT 522 | Occlusion, TMJ Dysfunction & Pain | 2 | 2 | | |
| PROS 581 | Maxillofacial Prosthetics | 2 | 2 | | |
| PROS 572D | Prosthodontic Clinic (RPD) | 6 | | | 18 |
| TOTAL | | 12 | 6 | 0 | 18 |
| <u>2nd Semester</u> | | | | | |
| DENT 521 | Oral Immunology & Microbiology | 2 | 2 | | |
| DENT 593 | Research Analysis & Interpretation | 2 | 2 | | |
| PROS 575 | Dental Implantology | 2 | 1 | | 3 |
| PROS 576 | Interdisciplinary Case Seminar | 1 | 1 | | |
| PROS 573D | Prosthodontic Clinic (CD) | 5 | | | 15 |
| TOTAL | | 12 | 6 | 0 | 18 |
| COMPREHENSIVE EXAMINATIONS | | | | | |
| THIRD YEAR | | | | | |
| <u>1st Semester</u> | | | | | |
| PROS 582 | Prosthodontic-OMFS Seminar | 1 | 1 | | |
| PROS 574D | Prosthodontic Clinic | 7 | | | |
| DENT 594A | Prosthodontic Research 1 | 3 | | Res Lab. | 21 |
| TOTAL | | 11 | 1 | 0 | 21 |
| <u>2nd Semester</u> | | | | | |
| PROS 552 | Prosthodontic Seminar | 1 | 1 | | |
| PROS 583 | Prosthodontic-Perio Seminar | 1 | 1 | | |
| PROS 584 | Cleft Lip & Palate Seminar | 1 | 1 | Res Lab. | |
| DENT 594B | Prosthodontic Research 2 | 3 | | | |
| TOTAL | | 6 | 3 | 0 | 0 |



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MASTER OF SCIENCE IN DENTISTRY

Major in **Prosthodontics**

OBJECTIVES:

To provide qualified dentists with an advanced level of patient and prosthodontic case management, additional knowledge and treatment modality options, through correct judgment of complex cases that will prepare the graduate students for specialized clinical practice of prosthodontics, academic, career, and research.

EXPECTED OUTCOMES:

1. Graduate students must have established a basic understanding of the principles, theories and concepts of Prosthodontics at the post-graduate level.
2. Graduate students must have gained knowledge and understanding of the role of occlusion in the practice of Prosthodontics and Implant Dentistry.
3. Graduate students must have gained knowledge and experience in the research process.
4. Graduate students must be able to diagnose, categorize and assess appropriate treatment modalities for all areas of Prosthodontics.
5. Graduate students must have attained a competent skill level of clinical and laboratory procedures for occlusal devices and management of Temporomandibular disease patients.
6. Graduate students must have gained knowledge and experience in the educational process and develop skills in designing, conducting, reporting and publishing the results of original research.

PROS 551 – Prosthodontic Seminar 1

Presentation of cases by students, faculty, and special guests will be conducted. Topics are proposed by students and discussed with the faculty. Focus is given on diagnosis and management of presented cases during discussion. *Credit: 1 unit*

PROS 552 – Prosthodontics Seminar 2

Continuation of PROS 551. *Credit: 1 unit*

PROS 561 – Geriatric and Gerodontology

Discusses the considerations given to aged patients, with emphasis on management and care of this group of patients. *Credit: 2 units*

PROS 571 – Clinical Prosthodontics 1

This course evaluates, plans and treats a wide range of patients requiring a variety of approaches, focusing on fixed partial denture. *Credit: 3 units*

PROS 572 – Clinical Prosthodontics 2

A continuation of PROS 571, focusing on removable partial denture. *Credit: 3 units*

PROS 573 – Clinical Prosthodontics 3

A continuation of PROS 572, focusing on complete denture. *Credit: 3 units*



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PROS 574 – Biomaterials and Biomechanics

Physical and chemical properties of metallic, ceramic and polymeric materials, mechanical testing and laboratory evaluation of materials will be discussed. *Credit: 1 unit*

PROS 575 – Dental Implantology

A multidisciplinary course that discusses the scientific principles involved in surgical and prosthodontics implants. *Credit: 2 units*

PROS 575 – Dental Implantology

A seminar attended and presented by dental graduate students discussing issues and multidisciplinary diagnosis and treatment. *Credit: 1 unit*

PROS 576 – Interdisciplinary Cases Seminar

A seminar attended and presented by dental graduate students discussing issues and multidisciplinary diagnosis and treatment. *Credit: 1 unit*

PROS 581 – Maxillofacial Prosthetics

Establishes a basic understanding of the theories and principles used to treat patients afflicted with diseases that cause maxillofacial deformities. *Credit: 2 units*

PROS 582 – Prosthodontic-Oral Maxillofacial Surgery Seminar

This seminar is designed to provide a structured forum for the discussion of diagnosis and treatment of combined oral maxillofacial surgery and prosthodontic cases. *Credit: 1 unit*

PROS 583 – Prosthodontic-Perio Seminar

A course designed to provide a forum for the discussion of diagnosis and treatment of combined prosthodontics and periodontics cases. Students of both courses in Prosthodontics and Periodontics present and defend cases that

